Amendments to the Specification:

Amend the abstract as follows:

[h3]   Abstract of the Disclosure

[p113]   A transistor-level simulator system and method which uses a ~~simulator=s API=s~~ simulator's application program interface (API) to construct a circuit code module which is used to perform circuit simulation of input and output wave-forms without the user having to provide a detailed netlist. This circuit simulation tool may be used on more complex gates where other models may be impractical to obtain without loss in the fidelity of the waveforms.